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PN -JP10039040 A 19980213  
 TI -DEVICE FOR DETECTING POSITION OF BURIED ARTICLE  
 FI -G01V3/08&B ;G01R33/02&Q ;G01V3/00&B ;F16L1/02&V  
 PA -MATSUSHITA ELECTRIC WORKS LTD  
 IN -YAMAUCHI KAZUMASA  
 AP -JP19960191710 19960722  
 PR -JP19960191710 19960722  
 DT -I

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AN -1998-183503 [17]  
 TI -Buried object position detector for e.g. outlet box - has display units which indicates deviation of ~~magnet~~ in buried object from ~~magnetic~~ sensor, after moving ~~magnetic~~ sensor main body along surface of concealment material  
 AB -J10039040 The detector (A) uses a ~~magnetic~~ sensor main body which includes several ~~magnetic~~ sensors (1a-1d). A buried object (3) with ~~a~~ magnet (4) is detected by moving the main body along the surface of a concealment material (5).  
 -The output values of the ~~magnetic~~ sensors are compared, to determine the deviation of the object from the sensor. A controller facilitates the display of the judgment result on a display units (2a-2e).  
 -USE - For locating e.g. switch box hidden behind wallplate after building construction.  
 -ADVANTAGE - Enables correct detection of central position ~~of magnet~~ in buried object through display unit by eliminating AC variations in output values ~~of magnetic~~ sensors even if induction fields occur.

IW -(Dwg.1/10)  
 -BURY OBJECT POSITION DETECT OUTLET BOX DISPLAY UNIT INDICATE  
 DEVIATE ~~MAGNET~~ BURY OBJECT ~~MAGNETIC~~ SENSE AFTER MOVE  
~~MAGNETIC~~ SENSE MAIN BODY SURFACE CONCEAL MATERIAL

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 IC -F16L1/024 G01R33/02 G01V3/00 G01V3/08  
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 DC -Q67 S01 S03  
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 TI -DEVICE FOR DETECTING POSITION OF BURIED ARTICLE  
 AB -PROBLEM TO BE SOLVED: To provide a device for detecting a position of a buried article with high reliability capable of quickly and accurately detecting a center position of a ~~magnet~~ provided to a buried article and of preventing occurrence of erroneous detection.

-SOLUTION: There is disclosed a device A for detecting a position of a buried article whereby a ~~magnet~~ 4 provided to the buried article 3 is detected by means of a ~~magnetic~~ sensor 1 which is moved along a surface of a shield material 5 covering the buried article 3. It comprises a plurality of ~~magnetic~~ sensors 1a, 1b, 1c, 1d and a control circuit that compares ~~magnetic~~ output values detected by the ~~magnetic~~ sensors 1a, 1b, 1c, 1d with each other, judges as to which direction the device is shifted with respect to the ~~magnet~~ 4 provided to the buried article 3 and indicates the judged result on an indication means 2.

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PA -MATSUSHITA ELECTRIC WORKS LTD

IN -YAMAUCHI KAZUMASA

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